

product **AS08 361**
GSNO | Nitroso-L.glutathione

product information

background	GSNO; S-nitrosoglutathione belongs to a family of molecules involved in nitrosative stress. GSNO is a natural source of nitric oxide (NO). S-nitrosylation reaction of NO with GSH leads to formation of S-nitroso glutathione (GSNO). Selected references: Barroso et al (2006). Localization of S-nitrosoglutathione and expression of S-nitrosoglutathione reductase in pea plants under cadmium stress. J Exp Bot. 2006;57(8):1785-93. Valderrama et al (2007). Nitrosative stress in plants. FEBS Lett. 6;581(3):453-6. Corpas et al (2008). Localization of S-nitrosothiols and assay of nitric oxide synthase and S-nitrosoglutathione reductase activity in plants. Methods Enzymol. 437:561-74
immunogen	synthetic Nitroso-L.Glutathione conjugated to protein carrier (PC)
antibody format	rat; polyclonal; total IgG; lyophilized
quantity	100 µl - for reconstitution add 50 µl of distilled water and 50 µl of glycerol.
storage	store lyophilized/reconstituted at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tubes.
tested applications	immunocytochemistry (ICC), ELISA (ELISA)
additional information	data on antibody specificity and immunolocalization protocol can be found here .

application information

recommended dilution	1: 1000 - 1: 5000 (ICH), 1: 5000 - 1: 10 000 (ELISA)
expected apparent MW	n.a.
confirmed reactivity	GSNO nitroso-L.glutathione
predicted reactivity	GSNO nitroso-L.glutathione
not reactive in	no confirmed exceptions from predicted reactivity known in the moment
additional information	antibody has been used on plant tissue as well as on isolated arteries from a rat
selected references	Chaki et al. (29009). Involvement of reactive nitrogen and oxygen species (RNS and ROS) in sunflower-mildew interaction. Plant Cell Physiol. 50:265-279. Corpas et al. (2008). Localization of S-nitrosothiols and assay of nitric oxide synthase and S-nitrosoglutathione reductase activity in plants. Methods Enzymol. 437: 561-574.

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Antibodies for research

This product is **for research use only** (not for diagnostic or therapeutic use)

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